

Application Serial No.: 09/856,147
Amendment dated August 13, 2003
Reply to Office Action dated February 13, 2003

Amendments to the Specification

Please replace the paragraph beginning at page 3, lines 5 and 6 (of amended sheet),
please amend the paragraph, as follows:

a1 Without high elevated temperature ~~firing~~ heat treatment the coating is not stable. It
can be simply removed by ~~wiping~~ dipping in hot water and wiping ~~conf.~~ (see EP0044144,
page 10, lines 7-10).

Please replace the paragraph beginning at page 3, lines 13 and 14 (of amended sheet),
with the following rewritten paragraph:

a2 According to the invention the coating is performed after the final heat treatment and
the coating materials are typically polymers and may be selected from a group consisting of
polyurethane, polyesterimide, epoxy, tetrafluoroethylene or Teflon®, or another insulating
material. In addition, the surface layers may contain any of a group consisting of ceramic
powder, graphite, carbon fiber, or metallic polymeric or elastomeric particles or fibers.

Please replace the paragraph beginning at page 4, line 16, with the following rewritten
paragraph:

a3 In Fig. 2, a surface layer of a multilayer structure is applied to a multifilamentary Bi-
2223 tape. This tape contains a number of Bi-2223 filaments (1) in a metallic matrix (2).
The surface layer contains an insulating layer (3) and an outer low friction layer (4). The
insulating layer (3) is applied by using a multifunctional acrylic resin which is cured by
means of UV light of 2J/cm² by using, e.g., a standard Nextrom OFC coating line. A suitable

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a³
material for the low friction is ~~teflon~~ tetrafluoroethylene or Teflon® which is applied by a standard dry-powder-coating technique using, e.g., a Haugaard powder coating gun. The multilayer surface is insulating and has a low surface friction. A low surface friction can reduce stress in the tape during the winding as well as during the operation of a superconducting apparatus.

Please replace the Abstract beginning on page 8, line 1, with the Abstract of the Disclosure commencing on a separate sheet, as follows: